

Title (en)

COMPOSITE FLOW-THROUGH HEAT SINK SYSTEM AND METHOD

Title (de)

ZUSAMMENGESETZTES DURCHFLUSSKÜHLKÖRPERSYSTEM UND VERFAHREN

Title (fr)

SYSTÈME DE DISSIPATEUR DE CHALEUR À FLUX CONTINU COMPOSITE ET PROCÉDÉ

Publication

EP 3048409 A1 20160727 (EN)

Application

EP 16151147 A 20160113

Priority

US 201514597680 A 20150115

Abstract (en)

A system including a flow-through heat sink is depicted. A flow-through heat sink may include an enclosure (150;250) housing a nonmetal matrix composite. At least one surface of the enclosure (150;250) may be in contact and/or close proximity to a heat source. The enclosure (150;250) may be formed through an additive manufacturing process.

IPC 8 full level

F28F 3/12 (2006.01); **B22F 3/105** (2006.01); **F28D 20/02** (2006.01); **H01L 23/373** (2006.01)

CPC (source: EP US)

B22F 5/10 (2013.01 - EP US); **B22F 7/06** (2013.01 - EP US); **B22F 10/28** (2021.01 - EP US); **B23P 15/26** (2013.01 - US); **F28D 20/021** (2013.01 - EP US); **F28D 20/023** (2013.01 - EP US); **F28F 3/12** (2013.01 - EP US); **H01L 23/4275** (2013.01 - EP US); **F28D 2021/0029** (2013.01 - EP US); **H01L 2924/0002** (2013.01 - EP US); **Y02E 60/14** (2013.01 - EP US); **Y02P 10/25** (2015.11 - EP US)

Citation (search report)

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Cited by

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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